

CLAIMS

1. A medicament dispensing applicator electrode adapted for use with an iontophoresis device comprising a unitary strip consisting of an elastomeric substrate having an upper surface and a lower surface, said strip having a medicament dispensing portion comprising a cell or a plurality of cells forming an aperture or a plurality of apertures between said upper surface and said lower surface and wherein said cell or plurality of cells contain a medicament.
2. The applicator electrode of Claim 1 further comprising a layer of adhesive covering at least a portion of said upper surface of said strip, said adhesive layer being operable for releasably attaching said strip to an iontophoresis device.
3. The applicator electrode of Claim 1 further comprising a layer of adhesive covering at least a portion of said lower surface of said strip, said adhesive layer being operable for releasably attaching said strip to skin.
4. The applicator electrode of Claim 2 further comprising a tactile conductive portion having a second cell or a plurality of cells electrically insulated from said medicament dispensing portion, said second cell or plurality of cells containing an electrically conductive fluid.
5. The applicator electrode of Claim 3 further comprising a tactile conductive portion having a second cell or plurality of cells electrically insulated from said medicament dispensing portion, said second cell or plurality of cells containing an electrically conductive fluid.
6. An iontophoresis device comprising, in combination:
 - (a) a current source having an anode and a cathode and a source of electrical power; and
 - (b) the medicament dispensing applicator electrode of claim 4 wherein said medicament dispensing portion of said applicator electrode is in electrical connection with either of said anode

or said cathode and said tactile conductive portion is in electrical connection with either of said cathode or said anode, respectively.

7. A medicament dispensing iontophoresis applicator electrode comprising a generally thimble-shaped electrically conductive member and an overlying medicament dispensing portion of an electrically non-conducting elastomer having a cell or plurality of cells in at least a portion thereof and wherein said thimble-shaped conductive portion is dimensioned to fit over and conform to the shape of the distal end of a finger.

8. The applicator electrode of Claim 7 wherein said cell or plurality of cells contain a medicament.

9. The applicator electrode of Claim 8 further comprising an electrically insulating layer underlying said thimble-shaped electrically conductive member.

10. The applicator electrode of Claim 8 wherein said thimble-shaped electrically conductive member has a first end of an electrically conductive wire affixed thereto.

11. The applicator electrode of Claim 10 wherein said electrically conductive wire has a second end in opposition to said first end and includes means for attaching said second end to a pole of a current source.

12. The applicator electrode of claim 8 wherein said medicament dispensing portion further comprises a hydrophilic matrix layer overlying said cell or plurality of cells for pre-treatment hydration by a user immediately prior to use when used with non-ionic medicament formulation.

13. The applicator electrode of claim 12 wherein said hydrophilic matrix layer is hydrated.